

# Digital Signage Badge **User's Manual**



This document is including introduction and directions of "Digital badge encoder" software for creating needed contents and lists to use for "Digital badge".

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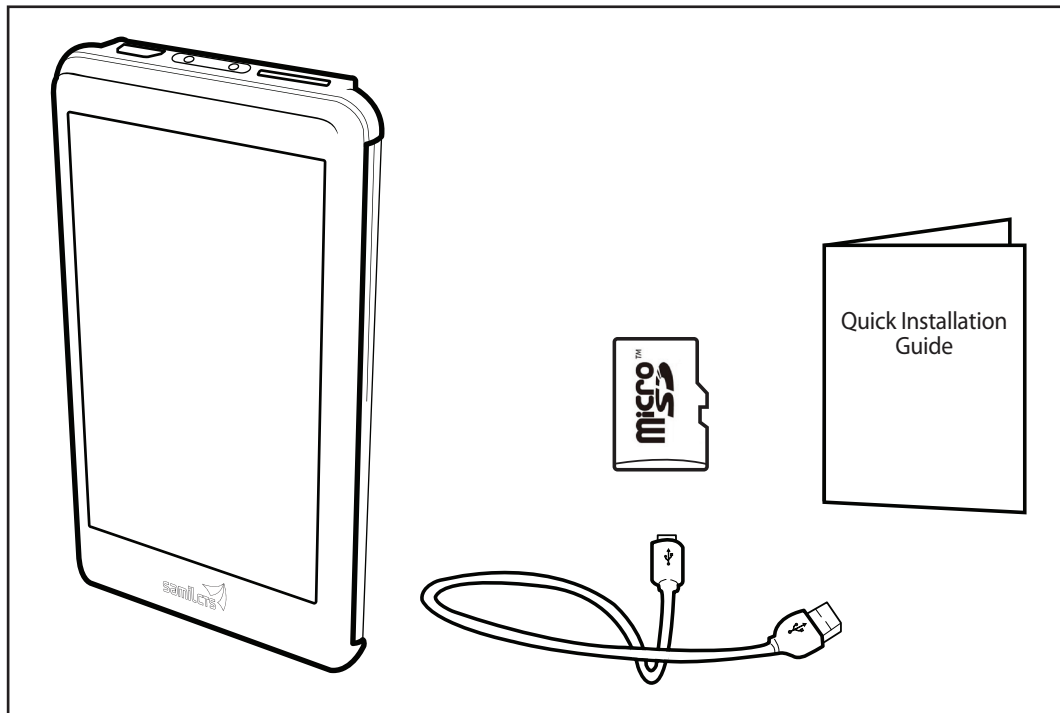
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# 1. Component check

## 1.1 Component

- Digital badge body 1ea
- Quick Guide 1ea



## 1.2 Supporting contents type

- Image : \*.bmp, \*.gif, \*.jpg, \*.png
- Video : \*.avi, \*.mkv, \*.mpg, \*.mp4

## 2. How to use encoder software

This software is good to use at least Windows XP or newer platform.

### 2.1 Encoder software installation

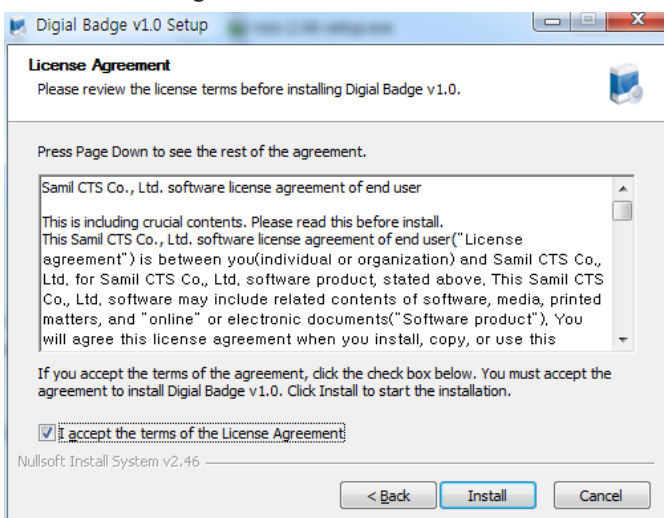
- 1) Copy installation package(digitalbadge-setup.exe) from product's SD memory and paste it to PC.
- 2) Run installation package file by Windows Explorer.

Pic 1.1. Installation start-up window



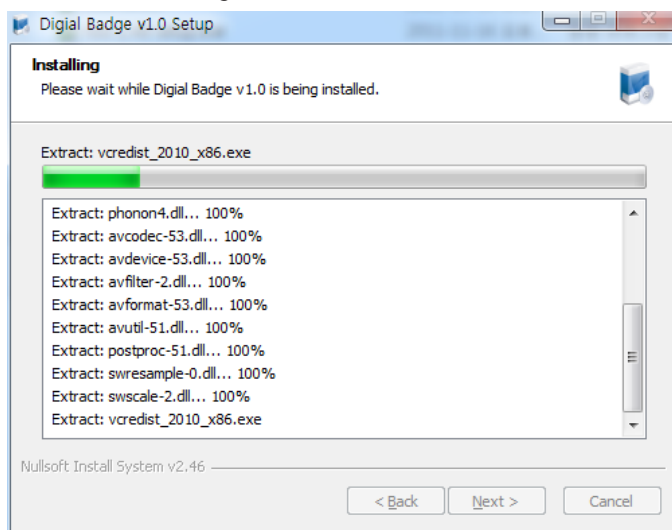
Click [Next] button.

Pic 1.2. License agreement window

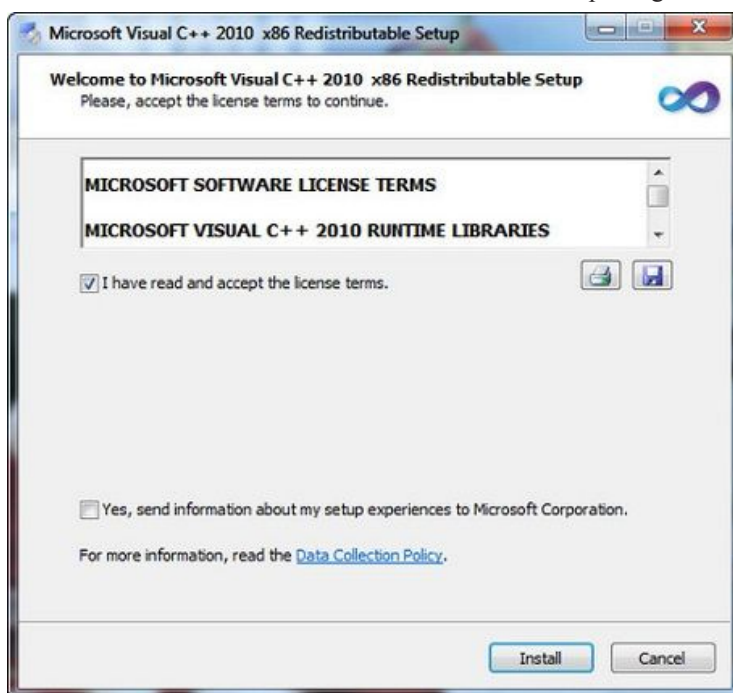


Agree with the terms of the license agreement and click [Install].

Pic 1.3. Installation process window



Pic 1.4. Installation of Visual C++ 2010 redistribution package window



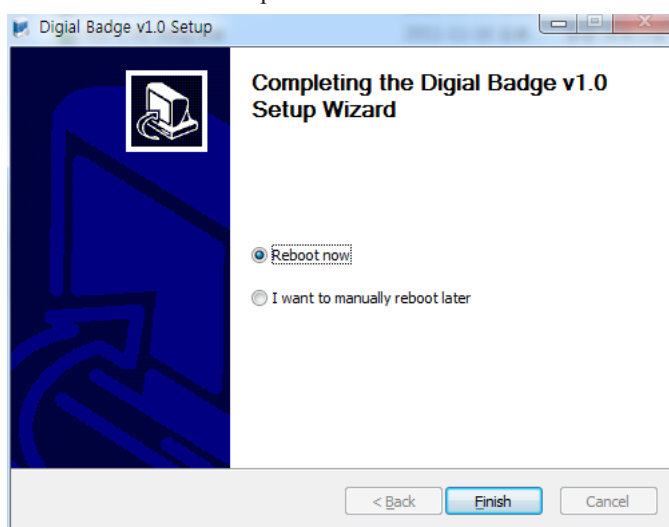
Click [Install] button.

Pic 1.5 Installation of combined Codec package window



Click [Next] button.

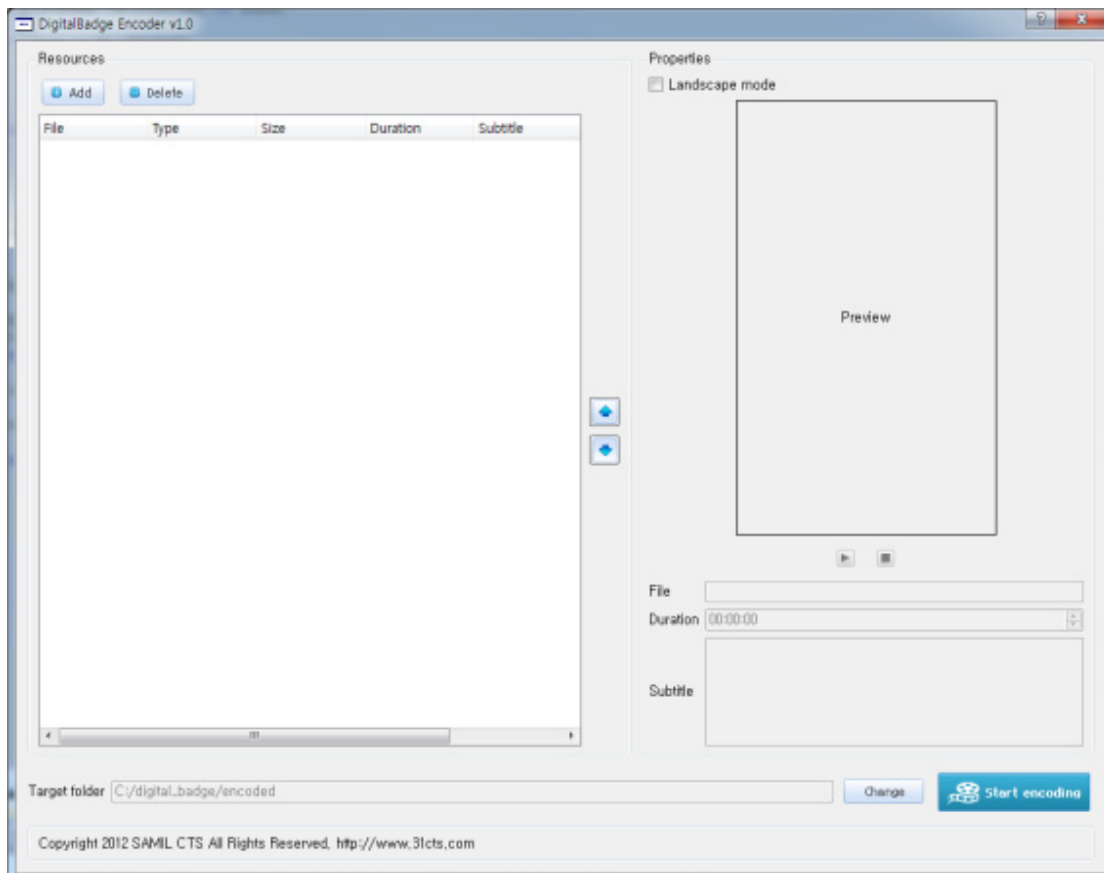
Pic 1.6 Installation complete window



Click [Finish] button to finish installation, and Windows will be re-booted.

## 2.1 How to use encoder software

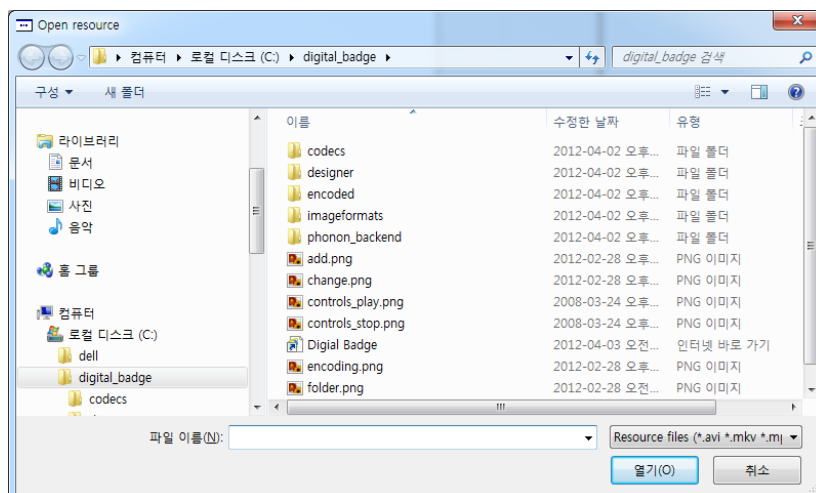
Pic 2.1. Start-up window



### 2.2.1 Contents registration

- Click  **Add** button to open contents selection window.

Pic 2.2 Contents selection window



- Supportable contents list is shown on the window. Select content to register and click [Open].


- Contents and information are shown in the list, if registration is done well.





Pic 2.3 Registered contents list

File	Type	Size	Duration	Subtitle
bg_sequence_.mp4	Video	40200 KB	00:00:00	X
caffebene_w.png	Image	1147 KB	00:00:05	X
Desert.png	Image	1279 KB	00:00:05	X
소녀시대 - Oh! 720...	Video	102434 KB	00:00:00	X

### 2.2.2 Contents deletion

- Select item to delete, and click  button, then the item is removed from list.

### 2.2.3 Contents order change

- Contents is executed in order listed.
  - The contents order on the list can be changed.
- Select item and click   buttons to change.

### 2.2.4 List information display

- Basic information is shown on contents list as below.

- 1) File: Name
- 2) Type: Type(Image, Video)
- 3) Size: File size
- 4) Duration: Contents duration on the list
- 5) Subtitle: Subtitle is registered or not(O, X)

Pic 2.4 List

File	Type	Size	Duration	Subtitle
bg_sequence_.mp4	Video	40200 KB	00:00:00	X
caffebene_w.png	Image	1147 KB	00:00:05	X
Desert.png	Image	1279 KB	00:00:05	X
소녀시대 - Oh! 720...	Video	102434 KB	00:00:00	X

### 2.2.5 Preview mode

- Registered contents can be previewed before encoding.

1) Image : Select item on the list for preview.

2) Video : Select item on the list for preview and control with   buttons.

Pic 2.5 Preview screen




### 2.2.6 Screen ratio change

- Contents can be encoded as two kinds of screen modes as below.

Original contents ratio is resized automatically in measure of resolution.

1) Portrait mode

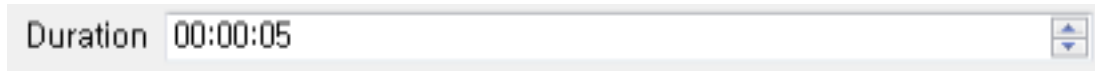
2) Landscape mode

- Check or uncheck  Landscape mode check box to change screen ratio.

### 2.2.7 Duration change

- Duration is changed by direct input(hour, minute, second) or using up and down buttons.

Pic 2.6 Duration change screen

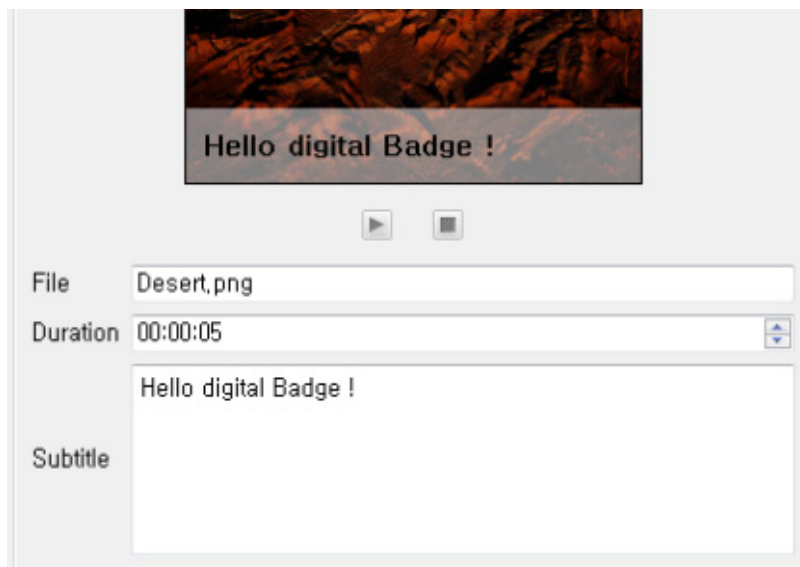


Duration 00:00:05

### 2.2.8 Subtitle input

- Subtitle can be added at the bottom of image contents.

Pic 2.7 Subtitle added screen



Video player showing: Hello digital Badge !

File: Desert.png

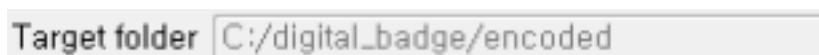
Duration: 00:00:05

Subtitle: Hello digital Badge !

### 2.2.9 Target folder specification to save encoded data


- Specify target folder to save encoded contents and list file.
  - Click  button, and specify target folder on shown dialogue.
- Original contents ratio is resized automatically in measure of resolution.

Pic 2.8 Target folder specification

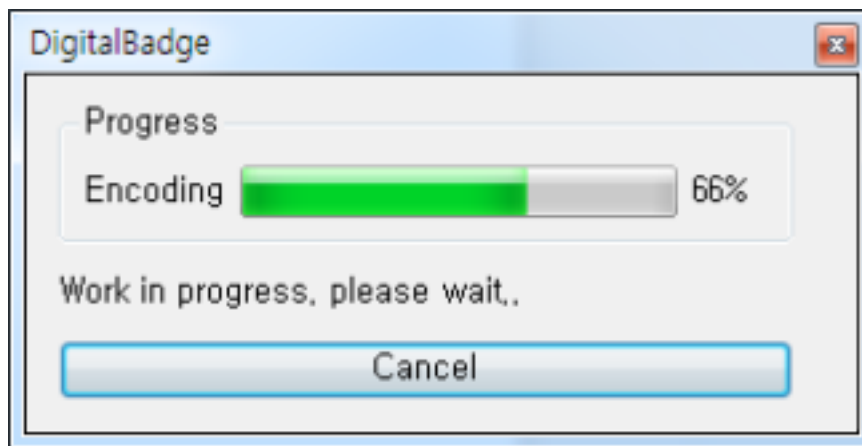


Target folder C:/digital\_badge/encoded

### 2.2.10 Encoding

- Click  Start encoding button. Codec is converted in order on the registered list. Encoded file and list file is created in specified target folder.
  - Progress dialogue is shown on window when encoding is on progress.
- If encoding should be canceled, click [cancel] button.

Pic 2.9 Encoding progress window



- Recommendations : Encoding video takes more time and capacity than encoding image, because of its bigger size of file. Therefore, encoding 10MB or less video is recommended for better use.

### 3. How to use badge

Introduction for each buttons and their actions of badge.

#### 3.1 Function

- 1) Power : Power On/Off.
- 2) Function : Changing contents, setting up menu.
- 3) Micro SD slot : Storage for encoded contents.
- 4) Mini USB cable : Connection between PC and badge for acting removable disk.
- 5) LCD screen : Running image, and video contents.

#### 3.2 Power on

- Press [Power button] and hold 2-3 seconds, when power is turned off.

#### 3.3 Power off

- Press [Power button] and hold 2-3 seconds, when power is turned on.

#### 3.4 Menu

- Press [Power button] shortly when power is turned on.  
"Configuration menu" is appeared.

##### 3.4.1 Configuration menu

- Press [Power button] shortly to change menu, and press [Function button] to change settings or run the function, on configuration menu.

- 1) Power off : Turn the power off of product.
- 2) USB connection : Make PC aware badge as removable disk.
- 3) Screen brightness control : Control brightness of LCD.
- 4) Battery residual capacity : Display residual capacity of battery.
- 5) Exit from configuration : Exit from configuration menu.
- 6) Clock setting : Set up clock and dates.

### 3.5 Playing contents

- Badge saves encoded contents and lists by "Encoding software" to SD memory of badge, reads the contents, and plays them on LCD screen in order.
- There are two ways to receive encoded contents from PC as below.

#### 1) By mini USB cable

- a. Attach badge to PC with mini USB cable.
- b. Make PC to aware badge as removable disk by USB connection menu.
- c. Run Windows explorer from PC. Copy encoded contents and lists files and paste them to removable disk.
- d. Safely remove removable disk, and exit from configuration of badge.
- e. Check playing of contents.

#### 2) By micro SD

- a. Turn the power off of badge
- b. Remove micro SD memory from SD card slot of badge
- c. Attach the memory to PC. (Check the type of PC slot before attachment
  - Micro SD, SD adapter, Micro SD to USB adapter and Etc.)
- d. Copy and paste encoded contents and list files to removable disk, when memory is recognized as "Removable disk".
- e. Safely remove removable disk from PC and remove memory.
- f. Attach memory to badge.
- g. Turn the badge on and check playing of contents.

### 3.6 Contents Pause/Skip

- [Function button] makes pause or skip contents while playing.

- 1) Press [Function button] one time : Pause contents.
- 2) Press [Function button] two times : Skip current contents and play next contents.



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